CLAIMS

1. A computer-implemented method for processing a digital image, the method comprising:

modifying the digital image at a location within the image, the modification causing a change of a first local attribute of the image at the location;

measuring the change of the first attribute at the location; and

adjusting a second attribute of the image at the location based on the measured change of the first local attribute, the second attribute being different from the first attribute.

2. The method of claim 1, wherein:

modifying the digital image includes applying a tone selective local adjustment at the location.

3. The method of claim 2, wherein the tone selective local adjustment specifies separate adjustments for shadows and highlights.

4. The method of claim 1, wherein:

modifying the digital image includes changing contrast or brightness of the image at the location.

5. The method of claim 1, wherein the first attribute is luminance.

6. The method of claim 5, wherein the second attribute is chrominance.

7. The method of claim 6, wherein the second attribute is color saturation.

8. The method of claim 5, wherein:

adjusting the second attribute includes applying a filter at the location.

9. The method of claim 8, wherein the filter sharpens the image.

10. The method of claim 8, wherein the filter blurs the image.

11. The method of claim 1, wherein the first attribute is chrominance.

12. The method of claim 11, wherein the second attribute is luminance.

13. The method of claim 1, wherein:

measuring a change of the first attribute includes measuring an absolute change of the first attribute.

14. The method of claim 1, wherein:

measuring a change of the first attribute includes measuring a relative change of the first attribute.

15. The method of claim 1, wherein:

the adjustment to the second attribute is proportional to the measured change of the first attribute.

16. The method of claim 1, wherein:

adjusting the second attribute of the image includes applying a directional correction that applies if the first local attribute has a specific change.

17. A software product, tangibly embodied in a machine-readable medium, for processing a digital image, the software product comprising instructions operable to cause one or more data processing apparatus to perform operations comprising:

modifying the digital image at a location within the image, the modification causing a change of a first local attribute of the image at the location;

measuring the change of the first attribute at the location; and

adjusting a second attribute of the image at the location based on the measured change of the first local attribute, the second attribute being different from the first attribute.

18. The software product of claim 17, wherein:

modifying the digital image includes applying a tone selective local adjustment at the location.

19. The software product of claim 18, wherein the tone selective local adjustment specifies separate adjustments for shadows and highlights.

20. The software product of claim 17, wherein:

modifying the digital image includes changing contrast or brightness of the image at the location.

21. The software product of claim 17, wherein the first attribute is luminance.

22. The software product of claim 17, wherein the second attribute is chrominance.

23. The software product of claim 22, wherein the second attribute is color saturation.

24. The software product of claim 22, wherein:

adjusting the second attribute includes applying a filter at the location.

25. The software product of claim 24, wherein the filter sharpens the image.

26. The software product of claim 24, wherein the filter blurs the image.

27. The software product of claim 17, wherein the first attribute is chrominance.

28. The software product of claim 27, wherein the second attribute is luminance.

29. The software product of claim 17, wherein:

measuring a change of the first attribute includes measuring an absolute change of the first attribute.

30. The software product of claim 17, wherein:

measuring a change of the first attribute includes measuring a relative change of the first attribute.

31. The software product of claim 17, wherein:

the adjustment to the second attribute is proportional to the measured change of the first attribute.

32. The software product of claim 17, wherein:

adjusting the second attribute of the image includes applying a directional correction that applies if the first local attribute has a specific change.

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